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S.A. [CH/CH]; 70, avenue Général-Guisan, CH-1009  
Pully (CH).

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(72) Erfinder; und

(22) Internationales Anmeldedatum:  
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(75) Erfinder/Anmelder (*nur für US*): MARTIN, Peter-Josef  
[DE/DE]; Dr.-Wolfgang-Schöne-Weg 1, 65366 Geisen-  
heim (DE). POLSTER, Steffen [DE/DE]; Studenten-  
strasse 19, 65239 Hochheim (DE). GROSSMANN, Hans  
[DE/DE]; Donauschwabenstrasse 27, 89555 Steinheim  
(DE).

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(74) Anwälte: WEBER, Dieter usw.; Taunusstrasse 5a, Post-  
fach 61 45, 65051 Wiesbaden (DE).

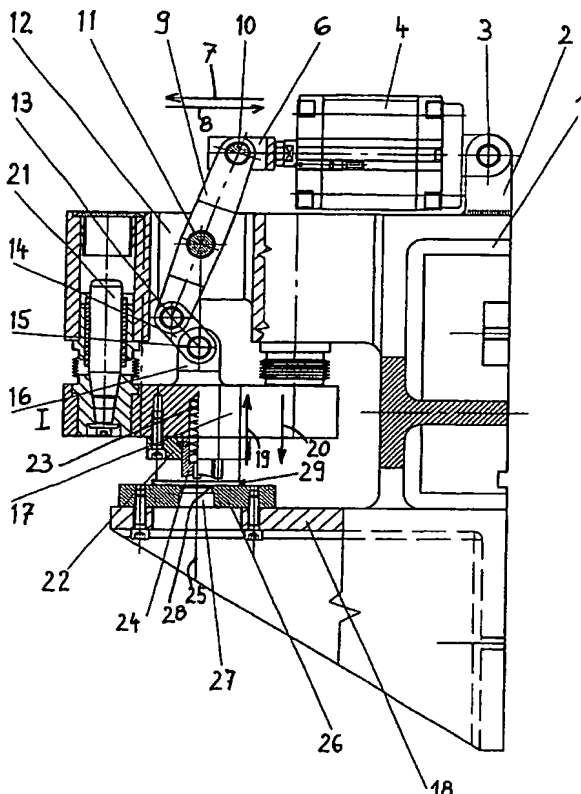
(71) Anmelder (*für alle Bestimmungsstaaten mit Ausnahme  
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(54) Title: DEVICE FOR PUNCHING, STAMPING AND/OR SHAPING FLAT ELEMENTS

(54) Bezeichnung: VORRICHTUNG ZUM STANZEN, PRÄGEN UND/ODER VERFORMEN FLACHER ELEMENTE



(57) Abstract: The invention relates to a device for punch-  
ing, stamping and/or shaping flat elements (29), comprising  
a base body (1) with a table (18) and support (26) for the flat el-  
ement (29), and comprising a base plate (17), which supports  
a punch (24) and which, in order to carry out the working  
process, can be advanced with the aid of a drive (4, 5) to-  
ward the support (26) and into a working station (II) whereby  
bringing the punch (24) into contact with the support (26) and  
can be moved away therefrom. The aim of the invention is to  
create a device of the aforementioned type with which a large  
number of very short and highly precise punching strokes can  
be executed in succession in order to make punched holes or  
stampings and, in particular, short stop periods and thus short  
clock times, in fact, the shortest possible working strokes, can  
be achieved in the event of fast moving flat elements. To this  
end, the invention provides that transfer means (9, 7; 35; 43;  
46) are coupled between the drive (4, 5) and the base plate  
(17). These transfer means move the base plate (17) essen-  
tially without building up any pressure from a position of rest  
(I), in which the punch (24) is not in contact with the support  
(26), up to immediately in front of working position (II), then  
they move the base plate (17) into working position (II) along a  
short distance while producing a high pressure between the  
base plate (17) and the flat element (29). During further op-  
eration of the drive (4, 5) over areas, the base plate (17) is  
returned to the position of rest (I, III) in the opposite direc-  
tion of movement essentially without building up any pressure.

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